

# *InSight*<sup>®</sup> 5 Diff Retic

## 5 Part Differential Laser Haematology Analyser with Reticulocytes



**DUAL LASER  
IMPEDANCE TECHNOLOGY.**

Tel: 0300 303 3509 Email: [info.vpg@synlab.co.uk](mailto:info.vpg@synlab.co.uk) Web: [vet.synlab.co.uk](http://vet.synlab.co.uk)

VPG Exeter, Unit 1B Exeter Science Park,  
6 Babbage Way, Clyst Honiton, Exeter, EX5 2FN

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## 5 Part Differential Laser Haematology Analyser with Reticulocytes

The InSight™ 5 Diff Retic Haematology Analyser is a fully automated multi-species analyser ideal for in-practice use. It uses Smart Software which automates all maintenance procedures. Quality control is performed on each blood sample using the combination of Laser, Impedance and Hb LED technology. During cellular analysis, impedance, the 'Gold Standard', is used for counting and sizing each cell while 'State of the Art' Laser technology is used for intracellular complexity and lobularity measurements.



### Features

- Compact, benchtop size
- Small sample size - 20µl whole blood
- True 31 parameter system
- 2 minute analysis time
- Reticulocytes on every sample
- Quick and easy operation
- Over 80 species on board
- 5-part differential with additional reticulocytes, band neutrophils & NRBC
- 2 new Retic measurements for maturity index and anisocytosis
- Touch screen
- Low maintenance
- Results transmitted via InSight p-LINK to Practice Management Systems

### Parameters

White Blood Cells		Red Blood Cells	
WBC		RBC	Retics#*
NE#	NE%	Hb	Retics%*
LY#	LY%	HCT	RDW
MO#	MO%	MCV	RSD
EO#	EO%	MCH	NRBC#*
BA#	BA%	MCHC	NRBC%*
BAND#	BAND%	MCVr	RDWr
<b>Platelets</b>		Printed WBC, RBC, PLT Cytograms	
PLT	PDW		
MPV	PCT		

\*certain species only

Uses Dual Laser and Impedance Technology

### Precision

Parameter	Range	%CV
WBC	6.0 – 15.0 x 10 <sup>3</sup> µl	3.0
RBC	3.00 – 6.00 x 10 <sup>6</sup> µl	3.0
Hb	10.0 – 18.0 g/dL	3.0
MCV	50.0 – 70.0 fL	3.0
PLT	200 – 500 x 10 <sup>3</sup> µl	3.0
MPV	5.0 – 20.0 fL	3.0
RDW	12.0 – 15.0%	3.0

### Linearity

Parameter	Linearity Range
WBC	0.0 – 220.0 x 10 <sup>3</sup> µl
RBC	0.0 – 20.00 x 10 <sup>6</sup> µl
Hb	0.0 – 34.0 g/dL
PLT	0.0 – 5000 x 10 <sup>3</sup> µl

### Methods and Technologies

- Laser Light Scatter
- Focussed Flow Impedance

### User Interface

- Touch screen
- Single screen display of results
- One button sample aspiration

### Sample Analysis Characteristics

- Onboard diluents dispenser
- Automatic probewash
- Patient ID
- Single button operation

### Throughput

- 30 samples per hour

### Carryover

- High to low carryover is less than or equal to 2%

### Host Communication

- RS232 port